

METHODOLOGY FOR GENERATING  
ACCESSING FUNCTIONS FOR PROGRAMMED EXECUTION  
OF PANEL-DRIVEN BUSINESS APPLICATIONS

**Abstract of the Disclosure**

5 A method of providing access to Business Applications (BA)  
executed on a data processing system wherein said BAs offer their  
services interactively controlled by a multitude of BA panels and  
wherein said BAs may display succeeding BA panels dependent on  
user interactions, user specified data and the contents of any  
10 kind of data base the BA is operating on. This inventive method  
consists in two major steps. In a first step the individual  
panels, the sequence of the panels as they are displayed by the  
BA and the activities required to launch a BA to display a  
succeeding panel are described. This step results in a directed  
15 graph modelling the spectrum of panel interactions with a BA,  
called a User Interaction Graph (UIG). By analyzing the UIG the  
proposed method then generates in a second step procedures,  
called Transaction Methods (TM). When called, the TM procedures  
are capable of autonomously executing and controlling the BAs by  
20 handling a sequence of BA panels. Based on input parameters  
passed over to the TMs they autonomously fill the various BA  
panels with the correct input information, initiate the required  
activities for traversing through a certain panel sequence and  
return the output information gathered during its execution.